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## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/529,221  
Source: PCT  
Date Processed by STIC: 01/10/2006

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 01/10/2006

PATENT APPLICATION: US/10/529,221

TIME: 08:07:07

Input Set : A:\sequence.listing.ascii.txt

Output Set: N:\CRF4\01102006\J529221.raw

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3 <110> APPLICANT: Robert, Bruno
4      Donda, Alena
5      Cesson, Valerie
6      Mach, Jean-Pierre
7      Zauderer, Maurice
9 <120> TITLE OF INVENTION: Targeted CD1d Molecules
11 <130> FILE REFERENCE: 1843.0200001
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/529,221
C--> 13 <141> CURRENT FILING DATE: 2005-03-25
13 <150> PRIOR APPLICATION NUMBER: PCT/US03/030238
14 <151> PRIOR FILING DATE: 2003-09-26
16 <150> PRIOR APPLICATION NUMBER: EP 02405838.0
17 <151> PRIOR FILING DATE: 2002-09-27
19 <160> NUMBER OF SEQ ID NOS: 54
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 15
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Artificial linker peptide
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40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Artificial linker peptide
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53 <212> TYPE: DNA
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56 <220> FEATURE:
57 <223> OTHER INFORMATION: F(ab)-avidin sense fragment
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63 <210> SEQ ID NO: 4
64 <211> LENGTH: 45

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
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69 <223> OTHER INFORMATION: F(ab)-avidin antisense fragment
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75 <210> SEQ ID NO: 5
76 <211> LENGTH: 38
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: F(ab')2-avidin sense fragment
83 <400> SEQUENCE: 5
84 aattgcggcc gcaaaccatg ggatggagct gtatcatc      38
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 45
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90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: F(ab')2-avidin antisense fragment
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99 <210> SEQ ID NO: 7
100 <211> LENGTH: 38
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: IgG1-avidin sense fragment
107 <400> SEQUENCE: 7
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111 <210> SEQ ID NO: 8
112 <211> LENGTH: 45
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: IgG1-avidin antisense fragment
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124 <211> LENGTH: 40
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Chick avidin sense primer
131 <400> SEQUENCE: 9
132 cggggtaccg gaggcggtgg gtcagccaga aagtgtctcg      40
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 28
137 <212> TYPE: DNA

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147 <210> SEQ ID NO: 11
148 <211> LENGTH: 823
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: F(ab)-Avidin nucleotide construct
155 <400> SEQUENCE: 11
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158 cgcgcatatg gtcaccgtct cctcagcctc caccaagggc ccatcggtct tccccctggc 120
160 accctcctcc aagagcacct ctggggggcac agcggccctg ggctgcctgg tcaaggacta 180
162 cttccccgaa cgggtgacgg tgtcgtggaa ctgaggcgcc ctgaccagcg gcgtgcacac 240
164 cttcccggtt gtcctacagt cctcaggact ctactccctc agcagcgctc tgaccgtgcc 300
166 ctccagcagc ttgggcaccc agacctacat ctgcaacgtg aatcacaagc ccagcaacac 360
168 caaggtggac aagaaaggag gcggtgggtc aggtaccgga ggcggtgggt cagccagaaa 420
170 gtgctcgctg actgggaaat ggaccaacga tctgggctcc aacatgacca tcggggctgt 480
172 gaacagcaga ggtgaattca caggcaccta catcacagcc gtaacagcca catcaaatga 540
174 gatcaaagag tcaccactgc atgggacaca aaacaccatc aacaagagga cccagcccac 600
176 ctttggcttc accgtcaatt ggaagttttc agagtccacc actgtcttca cggggcagtg 660
178 cttcatagac aggaatggga aggaggtcct gaagaccatg tggctgctgc ggtcaagtgt 720
180 taatgacatt ggtgatgact ggaaagctac cagggtcggc atcaacatct tcactgcct 780
182 gcgcacacag aaggagaccg gtcacatca ccatcacat tga 823
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 269
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: F(ab)-Avidin polypeptide construct
193 <400> SEQUENCE: 12
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196 1 5 10 15
199 Ala His Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
200 20 25 30
203 Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
204 35 40 45
207 Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
208 50 55 60
211 Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
212 65 70 75 80
215 Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
216 85 90 95
219 Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
220 100 105 110
223 Pro Ser Asn Thr Lys Val Asp Lys Lys Gly Gly Gly Gly Ser Gly Thr
224 115 120 125

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227 Gly Gly Gly Gly Ser Ala Arg Lys Cys Ser Leu Thr Gly Lys Trp Thr
228      130      135      140
231 Asn Asp Leu Gly Ser Asn Met Thr Ile Gly Ala Val Asn Ser Arg Gly
232 145      150      155      160
235 Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr Ser Asn Glu
236      165      170      175
239 Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile Asn Lys Arg
240      180      185      190
243 Thr Gln Pro Thr Phe Gly Phe Thr Val Asn Trp Lys Phe Ser Glu Ser
244      195      200      205
247 Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp Arg Asn Gly Lys Glu
248      210      215      220
251 Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser Val Asn Asp Ile Gly
252 225      230      235      240
255 Asp Asp Trp Lys Ala Thr Arg Val Gly Ile Asn Ile Phe Thr Arg Leu
256      245      250      255
259 Arg Thr Gln Lys Glu Thr Gly His His His His His His
260      260      265
263 <210> SEQ ID NO: 13
264 <211> LENGTH: 871
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: F(ab')2-Avidin nucleotide construct
271 <400> SEQUENCE: 13
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274 cgcgcatatg gtcaccgtct cctcagcctc caccaagggc ccacggtct tccccctggc      120
276 accctcctcc aagagcacct ctggggggcac agcggccctg ggctgcctgg tcaaggacta      180
278 cttccccgaa ccggtgacgg tgtcgtggaa ctcaggcgcc ctgaccagcg gcgtgcacac      240
280 cttcccggtc gtctacagt cctcaggact ctactcctc agcagcgctc tgaccgtgcc      300
282 ctccagcagc ttgggcaccc agacctacat ctgcaacgtg aatcacaaag ccagcaaacac      360
284 caaggtggag aagaaaagtg agcccaaatc ttgtgacaaa actcacacat gccaccgtg      420
286 ccaggaggc ggtgggtcag gtaccggagg cgggtgggtca gccagaaagt gctcgctgac      480
288 tgggaaatgg accaacgatc tgggctccaa catgaccatc ggggctgtga acagcagagg      540
290 tgaattcaca ggcacctaca tcacagccgt aacagccaca tcaaagaga tcaaagagtc      600
292 accactgcat gggacacaaa acaccatcaa caagaggacc cagcccacct ttggcttcac      660
294 cgtcaattgg aagttttcag agtccaccac tgtcttcacg ggccagtgtc tcatagacag      720
296 gaatgggaag gaggtcctga agaccatgtg gctgctgcgg tcaagtgtta atgacattgg      780
298 tgatgactgg aaagctacca gggtcggcat caacatcttc actcgctgc gcacacagaa      840
300 ggagaccggt catcatcacc atcaccattg a      871
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304 <211> LENGTH: 285
305 <212> TYPE: PRT
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: F(ab')2-Avidin polypeptide construct
311 <400> SEQUENCE: 14
313 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
314 1      5      10      15

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Input Set : A:\sequence.listing.ascii.txt

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317 Ala His Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
318          20          25          30
321 Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
322          35          40          45
325 Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
326          50          55          60
329 Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
330          65          70          75          80
333 Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
334          85          90          95
337 Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
338          100         105         110
341 Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
342          115         120         125
345 Lys Thr His Thr Cys Pro Pro Cys Pro Gly Gly Gly Ser Gly Thr
346          130         135         140
349 Gly Gly Gly Gly Ser Ala Arg Lys Cys Ser Leu Thr Gly Lys Trp Thr
350          145         150         155         160
353 Asn Asp Leu Gly Ser Asn Met Thr Ile Gly Ala Val Asn Ser Arg Gly
354          165         170         175
357 Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr Ser Asn Glu
358          180         185         190
361 Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile Asn Lys Arg
362          195         200         205
365 Thr Gln Pro Thr Phe Gly Phe Thr Val Asn Trp Lys Phe Ser Glu Ser
366          210         215         220
369 Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp Arg Asn Gly Lys Glu
370          225         230         235         240
373 Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser Val Asn Asp Ile Gly
374          245         250         255
377 Asp Asp Trp Lys Ala Thr Arg Val Gly Ile Asn Ile Phe Thr Arg Leu
378          260         265         270
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382          275         280         285
385 <210> SEQ ID NO: 15
386 <211> LENGTH: 1522
387 <212> TYPE: DNA
388 <213> ORGANISM: Artificial Sequence
390 <220> FEATURE:
391 <223> OTHER INFORMATION: IgG1 Avidin nucleotide construct
393 <400> SEQUENCE: 15
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396 cgcgcatatg gtcaccgtct cctcagcctc caccaagggc ccatcggtct tccccctggc      120
398 accctcctcc aagagcacct ctggggggcac agcggccctg ggctgcctgg tcaaggacta      180
400 cttccccgaa cgggtgacgg tgctgtggaa ctcaggcgcc ctgaccagcg gcgtgcacac      240
402 cttcccggtc gtctacagt cctcaggact ctactcctc agcagcgctc tgaccgtgcc      300
404 ctccagcagc ttgggcaccc agacctacat ctgcaacgtg aatcacaagc ccagcaacac      360
406 caaggtggac aagaaaagtg agcccaaatc ttgtgacaaa actcacacat gccaccgtg      420
408 ccagcacct gaactcctgg ggggaccgtc agtcttctc ttcccccaa aaccaagga      480

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/529,221

DATE: 01/10/2006

TIME: 08:07:08

Input Set : A:\sequence.listing.ascii.txt

Output Set: N:\CRF4\01102006\J529221.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date